

Please Reply To:
Sam Simons
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July 28, 2015

Attorney Melanie Bachman Acting Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06501

EM-T-MOBILE-162-140305

T-Mobile Site ID CTNH403A
15 Oakdale Ave., Winchester CT
Notice of Compliance with Conditions and Construction Completion

Dear Attorney Bachman:

The Connecticut Siting Council ("Council") acknowledged the above referenced T- Mobile Northeast LLC ("T-Mobile") notice of exempt modification on March 31, 2014. The Council imposed the following condition in its acknowledgment:

- The proposed coax must be installed within the pole shaft in accordance with the structural analysis report prepared by America Tower Corporation stamped by Raphael I Mohamed on February 19, 2014;
- Within 45 days following completion of the antenna installation, T-Mobile shall provide documentation certified by a professional engineer that its installation complied with the requirements of the structural analysis.;
- Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

The attached PE Closeout Letter, dated July 27, 2015, provides evidence of compliance with the conditions outlined by the Council.

In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of January 19, 2015.

Please don't hesitate to contact me with any questions.

Sincerely,

Sam Simons

Samuel Simons, T-Mobile

CC: Mark Richard, T-Mobile

PAUL J. FORD & COMPANY



Date: July 27, 2015

Sam Simons **Engineering Development - Connecticut** T-Mobile 35 Griffin Road South Bloomfield, CT 06002

Paul J Ford and Company 250 E. Broad St., Suite 600 Columbus, OH 43215 614-221-6679

Subject:

Structural Opinion Letter

Carrier Designation:

T-Mobile Co-Locate Carrier Site Number: Carrier Site Name:

EM-T-MOBILE-162-140305

CTNH403A

Engineering Firm Designation:

Paul J Ford and Company Project Number: 79915-0012.001.7100

Site Data:

15 Oakdale Avenue, Winsted, CT 06098 Latitude 41° 55' 18.1", Longitude -73° 2' 58.2"

180 Foot - Monopole Tower

Dear Sam Simons.

Paul J. Ford and Company is pleased to submit this "Structural Opinion Letter" for the structural integrity of the aforementioned monopole tower. The purpose of the opinion letter is to determine the suitability of the monopole tower with the proposed, and existing loading as specified in Tables 1 & 2 on the next two pages. The opinion is consistent with the guidelines as stated in the 2005 Connecticut Building Code and the TIA/EIA-222-F Structural Standards for Steel Antenna Towers and Antenna Supporting Structures using a fastest mile wind speed of 80 mph with no ice, 69 mph with 0.50 inch ice thickness and 50 mph under service loads.

Based on a comparison of the verified proposed loading (shown Table 1 & 2) versus the previous analysis loads (including wind speeds) from American Tower Corporation (job number 55426921, dated December 12, 2013) we have determined that loading is similar and should not change the opinions concluded by others.

We at Paul J. Ford and Company appreciate the opportunity of providing our continuing professional services to you. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted by:

Corey McCartney, El Structural Designer

Table 1 - Proposed Antenna and Cable Information

Notes		3	ericsson	B2P w/ Mount Pipe KRY 112 144/1			
166.0	166.0	3	ericsson	ERICSSON AIR 21 B4A	12 1	1-5/8 1-1/4	1
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe			
Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna: Model	Number of Feed Lines		Note

Notes

Table 2 - Existing Antenna and Cable Information

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
	180.0	1	andrew	ABT-DMDF-ADBH	13 2 1 1	1-5/8 0.78 3 0.40 7/8	
		6	powerwave	LGP21401			
		6	ericsson	RRUS 11			
180.0		6	powerwave	7770.00			
		3	kmw	AM-X-CD-16-65-00T-RET			
		1	miscellaneous	10' Omni			
2.5		1	tower mounts	Low Platform Mount			
150.0	150.0	1	sinclair	SD210-SF2P4SNM	1	1-5/8	1
		1	tower mounts	Side Arm Mount			
140.0	140.0	1	telewave	ANT150D	6 2 2 1	1-5/8 1/2 3/8 7/8	The state of the s
		2	bird	432-83H-01-T			
		3	decibel	DB809K-XT			
		1	sinclair	SC432D-HF6LDF			
		1	tower mounts	Side Arm Mount			
132.0	132.0	3	alcatel lucent	800 MHz RRH w/ Notch Filter	6 3	1-5/8 1-1/4	
		3	alcatel lucent	1900MHz RRH			
		3	rfs	APXVSPP18-C-A20			1
		6	andrew	DB980H90E-M			
		1	tower mounts	Low Platform Mount			

tnxTower Report - version 6.1.4.1

¹⁾ Verified antenna/coax installation heights and quantities

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
125.0	125.0	6	rfs	RFS FD9R6004/2C-3L	12	1-5/8	1
		2	antel	BXA-171085-12BF- EDIN-X			
		1	antel	BXA-171063-12BF- EDIN-X			
		2	antel	BXA-70063-6CF-EDIN-2			
		4	antel	LPA-80080/6CF			
		2	antel	LPA-80063/6CF			
		1	antel	BXA-70040/6CF			
		1	tower mounts	Low Platform Mount			
114.5	114.5	12	decibel	DB844H90E-XY	12	1-1/4	1
		1	tower mounts	Low Platform Mount			
105.0	105.0	3	rfs	APXV18-206517S-C	6	1-5/8	1
		1	tower mounts	Flush Mount			
95.0	95.0	2	andrew	DB586	2 1	7/8 1/2	1
		1	bird	429-83H-01-T			
		1	tower mounts	Side Arm Mount			
78.0	78.0	1 {	pctel	GPS-TMG-HR-26N	1	1/2	1
		1 [tower mounts	Stand Off Mount			
78.0	78.0	1 [miscellaneous	GPS	1	7/8	1
		1	tower mounts	Stand Off Mount			

Notes: 1) Existing Equipment